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PATENT
ATTORNEY DOCUMENT NO. 046124-5388

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Fumitsugu FUKUYO et al.)
U.S. Application No.: 10/537,509) Confirmation No.: 4531
Filed: June 3, 2005) Examiner: Unassigned
For: METHOD OF CUTTING)
SEMICONDUCTOR SUBSTRATE)

Commissioner of Patents
MAIL STOP AMENDMENT

Sir:

INFORMATION DISCLOSURE STATEMENT
UNDER 37 C.F.R. § 1.97(b)

Pursuant to 37 C.F.R. §§ 1.56 and 1.97(b), Applicants bring to the attention of the Examiner the documents listed on the attached PTO-1449. This Information Disclosure Statement is being filed before the mailing date of a first Office Action on the merits for the above-referenced application.

An International Search Report (ISR) dated January 13, 2004 is attached together with a copy of each document listed on the PTO Form 1449 that is not a U.S. patent or U.S. patent publication.

Applicants respectfully request that the Examiner consider the listed documents and evidence that consideration by making appropriate notations on the attached form. As for any document listed on the accompanying PTO-1449 that is in a language other than English, relevance can be understood from an enclosed English abstract or at least partial translation or from mention in the specification or in a search report for a corresponding application.

This submission does not represent that a search has been made or that no better art exists and does not constitute an admission that the listed documents are material or constitute "prior

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ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /E.U./
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art." If it should be determined that any of the listed documents do not constitute "prior art" under United States law, Applicants reserve the right to present to the Office the relevant facts and law regarding the appropriate status of such document.

Applicants further reserve the right to take appropriate action to establish the patentability of the disclosed invention over any of the listed documents, should any of the documents be applied against the claims of the present application.

Except for issue fees payable under 37 C.F.R. § 1.18, the Commissioner is hereby authorized by this paper to charge any additional fees during the entire pendency of this Application, including fees due under 37 C.F.R. § 1.16 and 1.17 which may be required and including any required extension of time fees, **or** credit any overpayment to Deposit Account No. 50-0573. This paragraph is intended to be a **CONSTRUCTIVE PETITION FOR EXTENSION OF TIME** in accordance with 37 C.F.R. § 1.136(a)(3).

Respectfully submitted,

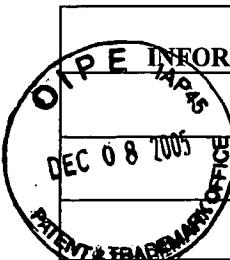
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CITE INFORMATION DISCLOSED IN CITATION (Use several sheets if necessary)		Attorney Docket No.: 046124-5388	Serial No.: 10/537,509
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		Filing Date: June 3, 2005	Confirmation No.: 4531

U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Sub Class	Filing Date
	4,562,333	Dec. 31, 1985	TAUB et al.			
	5,254,833	Oct. 19, 1993	OKIYAMA			
	5,543,365	Aug. 6, 1996	WILLS et al.			
	5,622,540	Apr. 22, 1997	STEVENS			
	5,637,244	Jun. 10, 1997	EROKHIN			
	5,776,220	Jul. 7, 1998	ALLAIRE et al.			
	5,826,772	Oct. 27, 1998	ARIGLIO et al.			
	6,055,829	May 2, 2000	WITZMANN et al.			
	6,211,488 B1	Apr. 3, 2001	HOEKSTRA et al.			
	6,252,197 B1	Jun. 26, 2001	HOEKSTRA et al.			
	6,257,224 B1	Jul. 10, 2001	YOSHINO et al.			
	6,259,058 B1	Jul. 10, 2001	HOEKSTRA			
	6,322,958 B1	Nov. 27, 2001	HAYASHI			
	6,420,678 B1	Jul. 16, 2002	HOEKSTRA			
	6,489,588	Dec. 3, 2002	HOEKSTRA et al.			
	2002/0006765 A1	Jan. 17, 2002	MICHEL et al.			
	2003/0024909 A1	Feb. 6, 2003	HOEKSTRA et al.			
	5,211,805	May 18, 1993	SRINIVASAN			

FOREIGN PATENT DOCUMENTS

	Document Number	Date	Country	Class	Sub Class	Translation YES	NO
	2002-192370 A	Jul. 10, 2002	JP			Abstract	
	2002-226796 A	Aug. 14, 2002	JP			Abstract	
	7-037840 A	Feb. 7, 1995	JP			Abstract	
	60-055640 A	Mar. 30, 1985	JP			Abstract	
	11-221684 A	Aug. 17, 1999	JP			Abstract	
	2002-158276 A	May 31, 2002	JP			Abstract	
	2000-104040 A	Apr. 11, 2000	JP			Abstract	
	07-40336 A	Feb. 10, 1995	JP			Abstract	
	10-163780 A	Jun. 19, 1998	JP			Abstract	
	11-138896 A	May 25, 1999	JP			Abstract	
	11-221684 A	Aug. 17, 1999	JP			Abstract	
	11-267861 A	Oct. 5, 1999	JP			Abstract	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

T. Miyazaki, "Laser Beam Machining Technology," Published by Sangyo-Tosho Inc., May 31, 1991, First Edition. pp. 9-10.

Examiner /Elias Ullah/	Date Considered	08/14/2008
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Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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PTO Form 1449		Applicants Fumitsugu FUKUYO et al.	Page 2 of 2
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U.S. PATENT DOCUMENTS

*Examiner Initial	Document Number	Date	Name	Class	Sub Class	Filing Date

FOREIGN PATENT DOCUMENTS

	Document Number	Date	Country	Class	Sub Class	<u>Translation</u>	YES	NO
	2000-015467 A	Jan. 18, 2000	JP			Abstract		
	2000-219528 A	Aug. 8, 2000	JP			Abstract		
	11-163403 A	Jun. 18, 1999	JP			X		
	11-177137 A	Jul. 2, 1999	JP			X		
	04-111800 A	Apr. 13, 1992	JP			X		
	10-305420 A	Nov. 17, 1998	JP			Abstract		
	02/22301 A	Mar. 21, 2002	WO			Abstract		
	01/90709 A	Nov. 29, 2001	WO			Abstract		
	61-112345 A	May 30, 1986	JP			Abstract		
	2003-001458 A	Jan. 8, 2003	JP			Abstract		
	2001-250798 A	Sept. 14, 2001	JP			Abstract		
	04-356942 A	Dec. 10, 1992	JP			Abstract		
	2000-195828 A	Jul. 14, 2000	JP			Abstract		
	03-234043 A	Oct. 18, 1991	JP			Abstract		
	2002-050589 A	Feb. 15, 2002	JP			Abstract		

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

F. Fukuyo et al., "Stealth Dicing Technology for Ultra Thin Wafer", presented at 2003 ICEP (International Conference on Electronics Packaging), April 16-18, 2003, Tokyo, Japan.

Katsumi MIDORIKAWA. "Recent Progress of Femtosecond Lasers and Their Applications to Material Processing", Dai 45 Kai Laser Netsukako Kenkyukai Ronbunshu, December 1998, pp. 29-38.

T. Sano et al., "Ultrashort Pulse Laser Microprocessing of Silicon", Japan Welding Society Zenkoku Taikai Koen Gaiyo, March 2000, pp. 72-73.

K. Miura et al., "Formation of Photo-induced Structures in Glasses with Femtosecond Laser," Dai 42 Kai Laser Netsukako Kenkyukai Ronbunshu, November 1997, pp. 107, line 4 to pp. 109, line 5.

K. Hayashi, "Inner Glass Marking by Harmonics of Solid-state Laser", Dai 45 Kai Laser Netsukako Kenkyukai Ronbunshu, December 1998, pp. 23-28.

"Proceedings of the 63rd Laser Materials Processing Conference", May 2005, pp. 115-123.

The 6th International Symposium on Laser Precision Microfabrication, April 2005.

"Journal of Japan Laser Processing Society", Vol. 12, No. 1, February 2005, pp. 115-123.

Examiner	/Elias Ullah/	Date Considered	08/14/2008
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